



iSEE Congress 2017

Building Resilience to Climate Change

Organized by Institute for Sustainability, Energy, and Environment (iSEE)
Sept. 18-20, 2017

Alice Campbell Alumni Center, University of Illinois at Urbana-Champaign



Monday, Sept. 18

5-5:15 p.m. — Welcome

- Robert J. Jones, Chancellor, University of Illinois at Urbana-Champaign

5:15-6:30 p.m. — Keynote Address

Moderator **Evan H. DeLucia, Baum Family Director of iSEE, University of Illinois at Urbana-Champaign**

- John Holdren, Former Director of the White House Office of Science and Technology Policy — “The Case for Investing in Climate-Change Resilience: Insights from Science, Engineering, and Economics”

6:30-7:15 p.m. — Reception and Student Poster Presentations

7:30-9 p.m. — Dinner by Invitation

Tuesday, Sept. 19

8-8:30 a.m. — Registration

8:30-8:45 a.m. — Opening Remarks

- Peter Schiffer, Vice Chancellor for Research, University of Illinois at Urbana-Champaign

8:45-10:15 a.m. — Session I: “Regional Climate Effects: Building Resilience”

Moderator **Lisa Ainsworth, Associate Professor of Plant Biology, University of Illinois at Urbana-Champaign**

- Donald Wuebbles, Preble Professor of Atmospheric Sciences, University of Illinois at Urbana-Champaign — “The Climate Science Special Report: An Assessment of the Science of Climate Change”
- Thomas W. Hertel, Professor of Agricultural Economics, Purdue University — Title TBA
- Kaiyu Guan, Assistant Professor of Natural Resources and Environmental Sciences, University of Illinois at Urbana-Champaign — “Impact and Adaptation of Agroecosystems to Climate Change in the U.S. Corn Belt”

10:15-10:30 a.m. — Coffee Break

10:30 a.m.-12:15 p.m. — Session II: “Vulnerability of Agriculture to Climate Change”

Moderator **Carla Cáceres, Director of School of Integrative Biology, University of Illinois at Urbana-Champaign**

- Donald Ort, Emerson Professor of Plant Biology, University of Illinois at Urbana-Champaign — “More than Taking the Heat”
- Joshua Elliott, Research Scientist and Fellow at Computation Institute, University of Chicago — “Global Change and Food Security, One Crisis at a Time”
- Maximilian Auffhammer, Pardee Professor of Sustainable Development, University of California Berkeley — Title TBA
- Praveen Kumar, Lovell Professor of Civil and Environmental Engineering, University of Illinois at Urbana-Champaign — Title TBA

12:15-1:30 p.m. — Lunch and Keynote Address

Moderator Gillen D’Arcy Wood, Langan Professorial Scholar of Environmental Humanities of English, University of Illinois at Urbana-Champaign

- Justin Gillis, Global Climate Change Reporter, New York Times — Title TBA

1:30-3 p.m. — Session III: “Land Use and Ecosystem Impacts of Climate Change”

Moderator Jeffrey Brawn, Head of Department of Natural Resources and Environmental Sciences, University of Illinois at Urbana-Champaign

- Atul Jain, Professor of Atmospheric Sciences, University of Illinois at Urbana-Champaign — Title TBA
- Daniel P. Schrag, Director of Center for the Environment and Director of Science, Technology, and Public Policy Program, Harvard University — “The Timescale of Climate Change Impacts on Land and Ocean”
- Brian Allan, Associate Professor of Entomology, University of Illinois at Urbana-Champaign — “Potential Consequences of Climate Change for Infectious Disease Dynamics”

3-3:15 p.m. — Coffee Break

3:15-5 p.m. — Session IV: “Adapting to Climate Change”

Moderator Sarah Taylor Lovell, Associate Professor of Crop Sciences, University of Illinois at Urbana-Champaign

- Mark Rosegrant, Director of the Environment and Production Technology Division, International Food Policy Research Institute — “Climate Change Impacts on Agriculture and Adaptation and Mitigation Policies to 2050”
- Gernot Wagner, Research Associate in Engineering and Applied Sciences, Harvard University — “Solar Geoengineering as Adaptation?”
- Amy W. Ando, Professor of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign — “Conservation Planning in the Face of Climate Change”
- Sandy Dall’erba, Associate Professor of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign — “Measuring the Economic Impact of Climate Change: Recent Advances and Remaining Challenges”

5-6 p.m. — Reception and Student Poster Presentations

6:30 p.m. — Dinner by Invitation and Performance by Jennifer Monson, Professor of Dance, University of Illinois at Urbana-Champaign

Wednesday, Sept. 20

8 a.m. — Registration

8-9 a.m. — Session V: “The Human Impacts of Climate Change: Causes and Solutions”

Moderator Pradeep Dhillon, Associate Professor of Education Policy, Organization, and Leadership, University of Illinois at Urbana-Champaign

- Julian Reif, Assistant Professor of Finance, University of Illinois at Urbana-Champaign — “Air Pollution, Health, and Medical Spending”
 - Christopher Preston, Professor of Philosophy, University of Montana — “Climate Justice and Community: A Care Approach to Impacts Identification”

9-10:15 a.m. — Session VI: “Managing Risks and Vulnerabilities to Climate Change”

Moderator Ben Crost, Professor of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign

- Arun Agrawal, Dana Professor of Natural Resources and Environment, University of Michigan — Title TBA
- Robin Leichenko, Professor and Chair of Geography, Rutgers University — “Economic Vulnerability to Climate Change in Coastal Regions: Opportunities and Challenges for Building Resilience”
- Jesse Ribot, Professor of Geography and Geographic Information Science and Director of Social Dimensions of Environmental Policy Program, University of Illinois at Urbana-Champaign — “Cause and Blame in the Anthropocene: Explaining Migration under a Changing Sky”

10:15-10:30 a.m. — Coffee Break

10:30 a.m.-noon — Session VII: “Panel on Public-Private Actions to Adapt to Climate Change”

Moderator Madhu Khanna, ACES Distinguished Professor of Environmental Economics, University of Illinois at Urbana-Champaign

- Bill Northcott, Chief Innovation Officer, Agrible Inc.
- Dion McBay, Vice President of Global Sustainable Development, Monsanto Co.
- Stephen Smith, Technology Transfer Leader, Dow AgriSciences
- Molly Woloszyn, Extension Climate Specialist, Illinois-Indiana Sea Grant and Midwestern Regional Climate Center

Noon-1:30 p.m. — Lunch and Keynote Address

Moderator Don Fullerton, Gutsell Professor of Finance and Institute of Government and Public Affairs, University of Illinois at Urbana-Champaign

- Matthew E. Kahn, Professor of Economics and Spatial Science, University of Southern California — Title TBA

1:30 p.m. — Closing Remarks

- Evan H. DeLucia, Baum Family Director of iSEE, University of Illinois at Urbana-Champaign